CLAIMS

What is claimed is:

1. A method of predicting sudden cardiac death in a patient, the method comprising: acquiring patient data from a plurality of medical equipment databases; and analyzing the patient data to determine a sudden cardiac death risk score.

2. The method of claim 1 and further comprising generating multiple independent indications of sudden cardiac death based on the patient data acquired from the plurality of medical equipment databases.

3. The method of claim 1 wherein the patient data includes image data, and further comprising comparing the image data to stored image patterns to determine an image measurement.

4. The method of claim 3 and further comprising comparing the image measurements to a range to determine an image correlation.

5. The method of claim 1 wherein the patient data includes electrocardiogram data, and further comprising comparing the electrocardiogram data to stored electrocardiogram patterns to determine an electrocardiogram measurement.

6. The method of claim 5 and further comprising comparing the electrocardiogram measurement to a range to determine an electrocardiogram correlation.

7. The method of claim 1 and further comprising determining a mathematical measurement based on a parameter value.

8. The method of claim 7 and further comprising comparing the mathematical measurement to a range to determine a mathematical correlation.

9. The method of claim 1 and further comprising determining a diagnosis based on at least one of an image correlation, an electrocardiogram correlation, and a mathematical correlation.

10.   The method of claim 1 and further comprising including at least one of electrocardiogram data, image data, and the sudden cardiac death risk score in a single report.

11.   A method of predicting sudden cardiac death in a patient, the method comprising:

analyzing multiple independent indications of sudden cardiac death acquired from a plurality of medical equipment databases; and

generating a sudden cardiac death risk score.

12.   A computer program embodied by a computer readable medium capable of being executed by a computer, the computer program for use in a sudden cardiac death prediction system, the computer program comprising:

an acquisition module that communicates over a network to acquire patient data from a plurality of medical equipment databases;

an analysis module that analyzes the patient data and calculates a plurality of measurements;

a diagnosis module that provides a medical diagnosis and a sudden cardiac death prediction score based on the plurality of measurements; and

a report module that provides a single report including at least the sudden cardiac death prediction score.

13.   The computer program of claim 12 wherein the report module provides a single report including at least one of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a diagnosis, a recommended treatment, a recommended follow-up test, a mathematical measurement, a range, a patient identifier, a patient history, and a physician identifier.

14.   The computer program of claim 12 wherein the analysis module includes a pattern recognition module, the pattern recognition module accessing at least one of electrocardiogram patterns and image patterns.

15.   The computer program of claim 12 wherein the analysis module includes a mathematical relationship module.

16.   The computer program of claim 12 wherein the analysis module includes a decision support module.

17. A method of displaying a prediction of sudden cardiac death, the method comprising:

generating a single report based on data acquired from a plurality of medical devices,

the single report including at least one of a patient identifier, a patient history, and a physician identifier;

the single report including at least one of electrocardiogram data, an electrocardiogram pattern, an electrocardiogram correlation, an electrocardiogram measurement, image data, an image pattern, an image correlation, an image measurement, a mathematical measurement, a parameter value, and a range; and

the single report including at least one of a sudden cardiac death risk score, a diagnosis, a recommended treatment, and a recommended follow-up test; and

displaying the single report for review by medical personnel.

18.   A sudden cardiac death prediction system comprising:

an acquisition module connected to a plurality of inputs for receiving patient data and image data from a plurality of databases; and

means for analyzing the patient data and the image data to generate a sudden cardiac death prediction score based on the patient data and the image data.

19.   A computer program embodied by a computer readable medium capable of being executed by a computer, the computer program for use in a medical device, the computer program comprising:

instructions to acquire patient data and image data from the medical device;

instructions to analyze the patient data and the image data; and

instructions to calculate a sudden cardiac death risk score based on the patient data and the image data.

20.   A medical device for determining a risk of sudden cardiac death, the medical device comprising:

an acquisition module operable to acquire ECG data and image data; and

an analysis module operable to calculate a sudden cardiac death risk score based on the ECG data and the image data.